

Universitat Politècnica de Catalunya

Laboratori d' Enginyeria Marítima

# **Coastal Vulnerability to Storms in the Catalan Coast**

Memoria presentada por

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para optar al grado de Doctor por la  
Universitat Politècnica de Catalunya.

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Barcelona, Enero del 2008

## **Appendix C**

### **Coastal vulnerability at a local scale**

The next set of figures contain the assessment of the FVI and EVI for the Malgrat beach for the five different storm classes, The FVI is denoted in lines and the EVI is denoted in areas each one with the correspondent colour according to its class. The assessment assumes that the storm will have the same impact along the entire beach. The figures were organized firstly considering the south and northern section, the southern section was divided in 8 sectors and the northern section was divided into 9 sections. In order to properly observe the assessment of both indicators, the beach has been sectioned with profiles which are numbered from south to north.

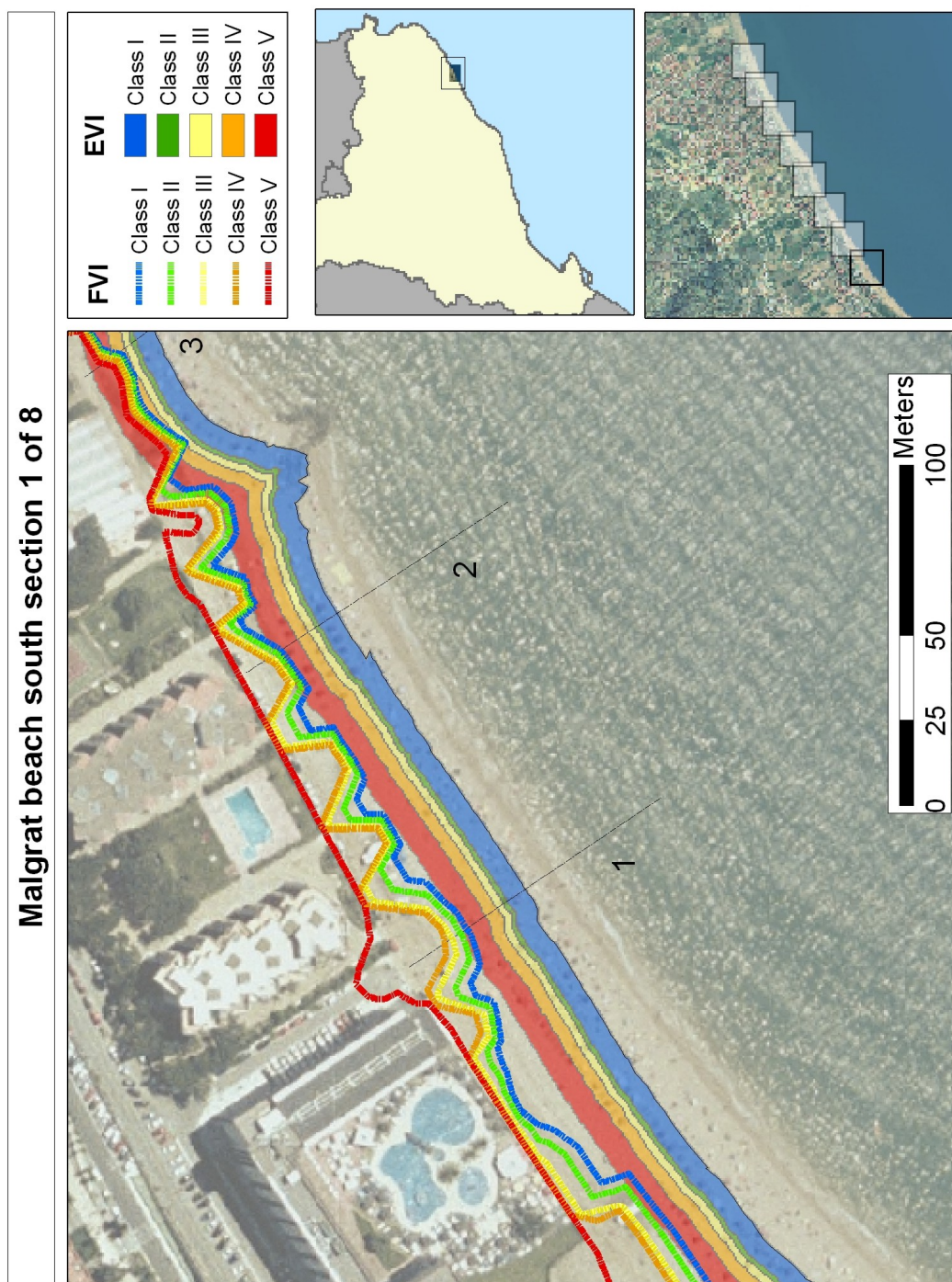


Figure C.1: FVI and EVI assessment for Malgrat del Mar south zone (1 of 8).

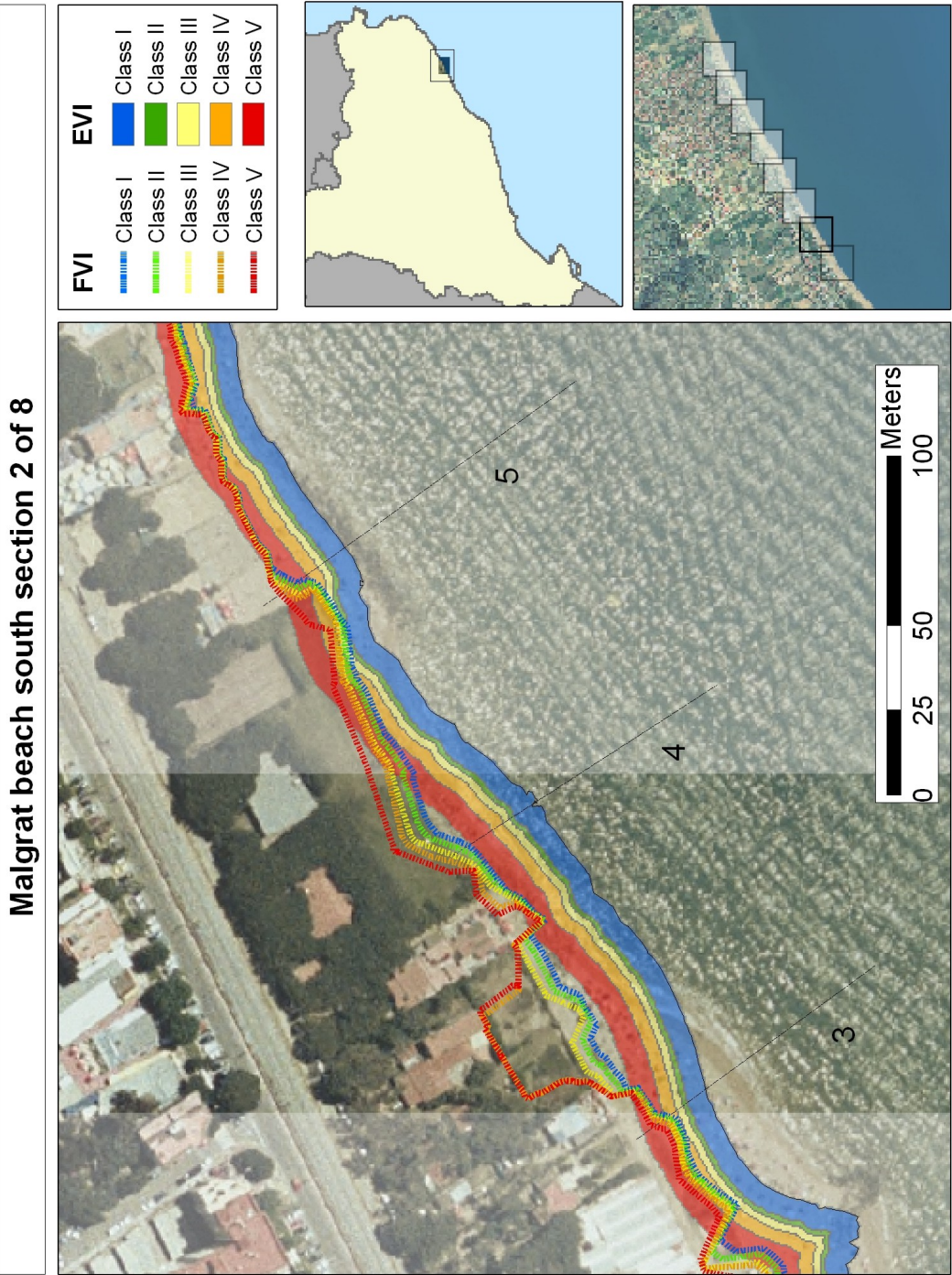


Figure C.2: FVI and EVI assessment for Malgrat del Mar south zone (2 of 8).



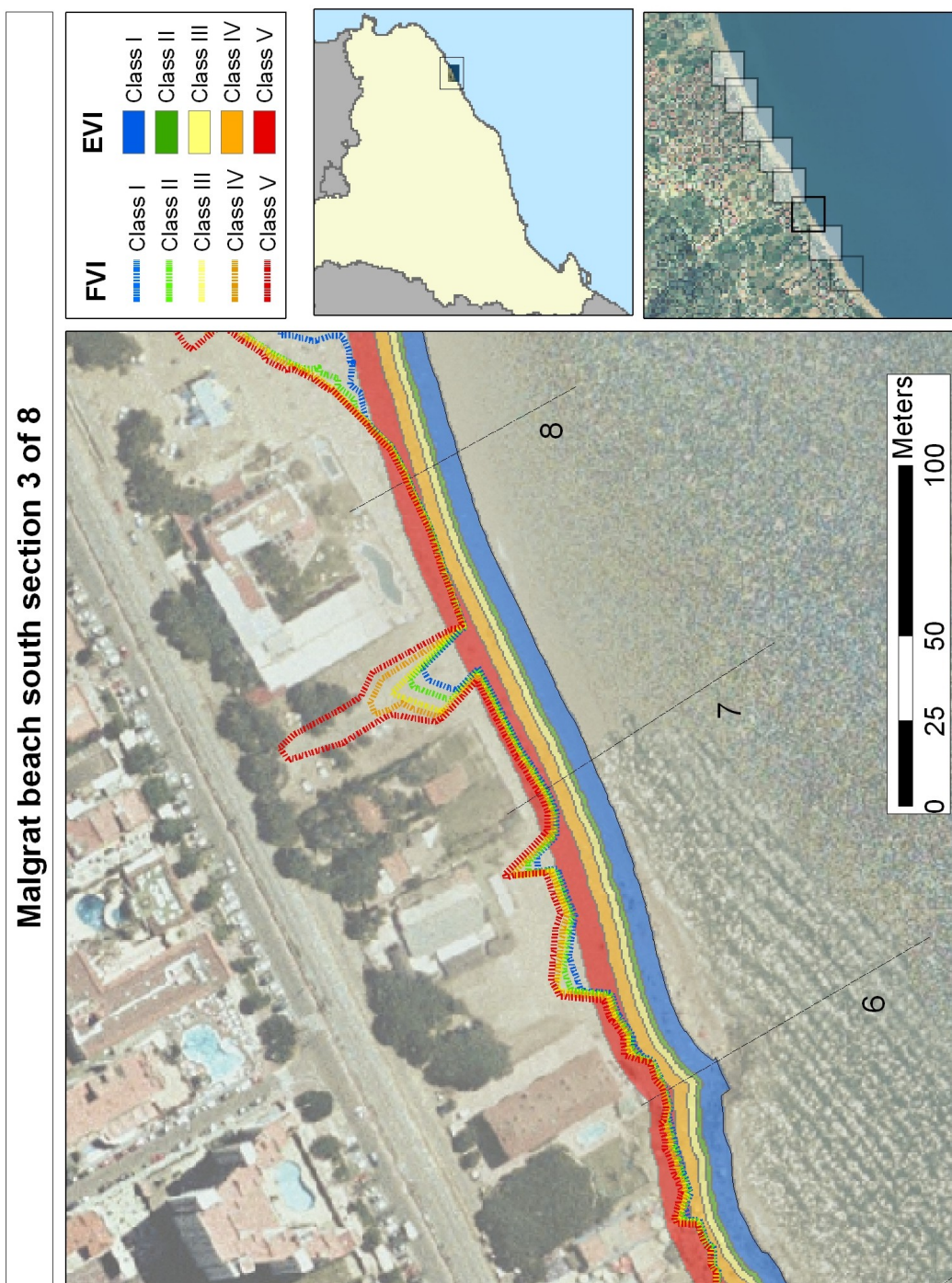


Figure C.3: FVI and EVI assessment for Malgrat del Mar south zone (3 of 8).

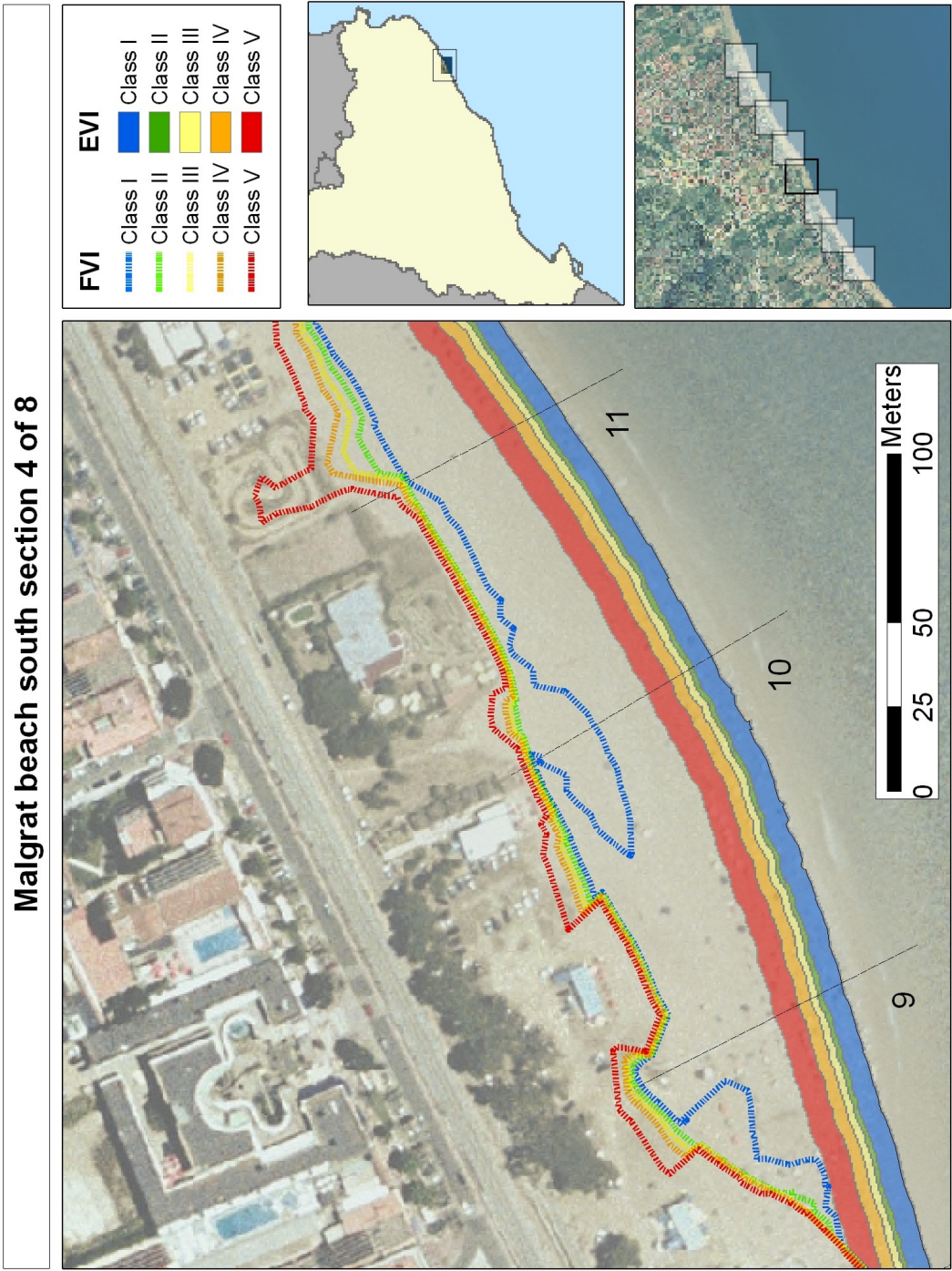


Figure C.4: FVI and EVI assessment for Malgrat del Mar south zone (4 of 8).



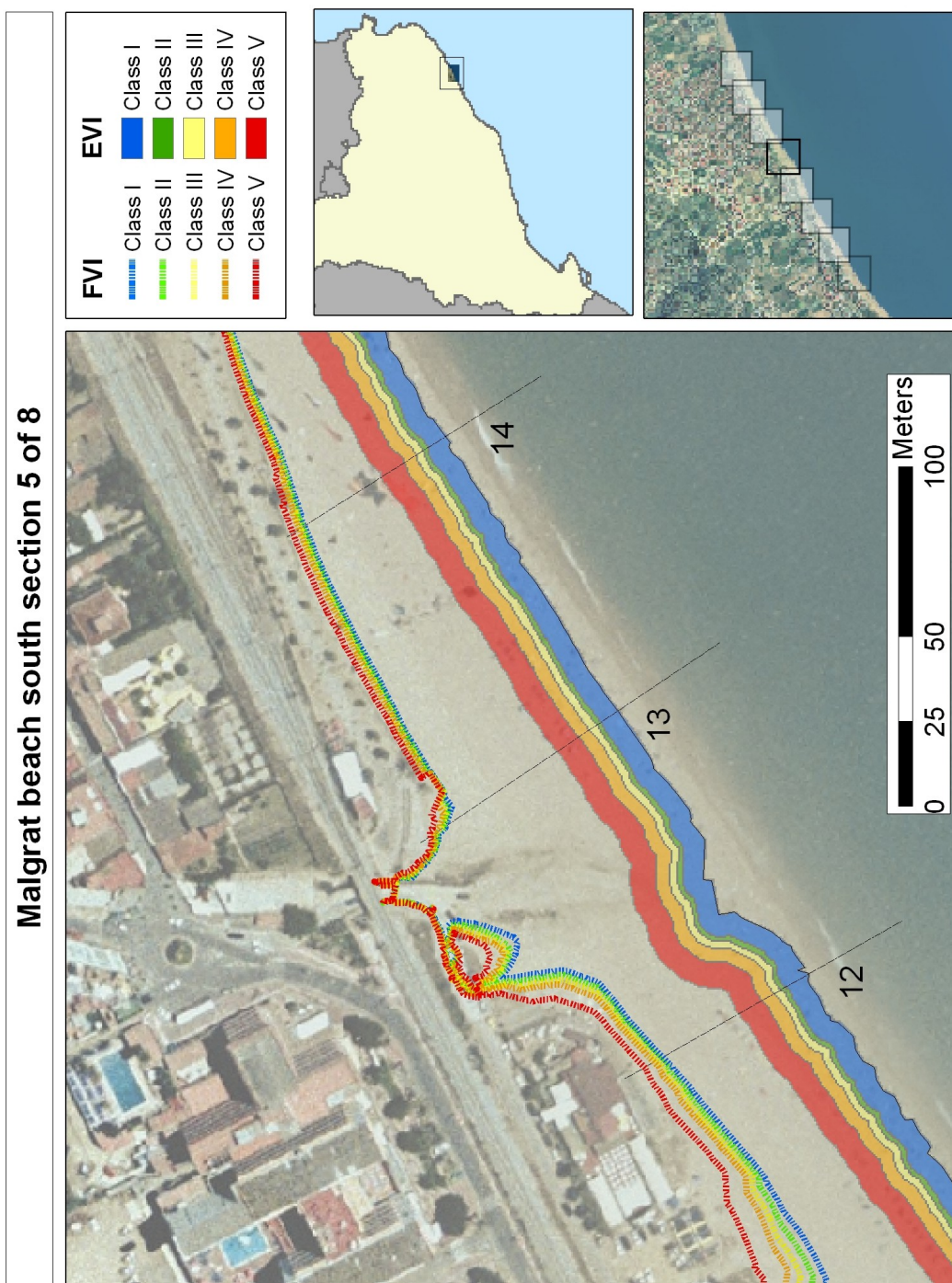


Figure C.5: FVI and EVI assessment for Malgrat del Mar south zone (5 of 8).

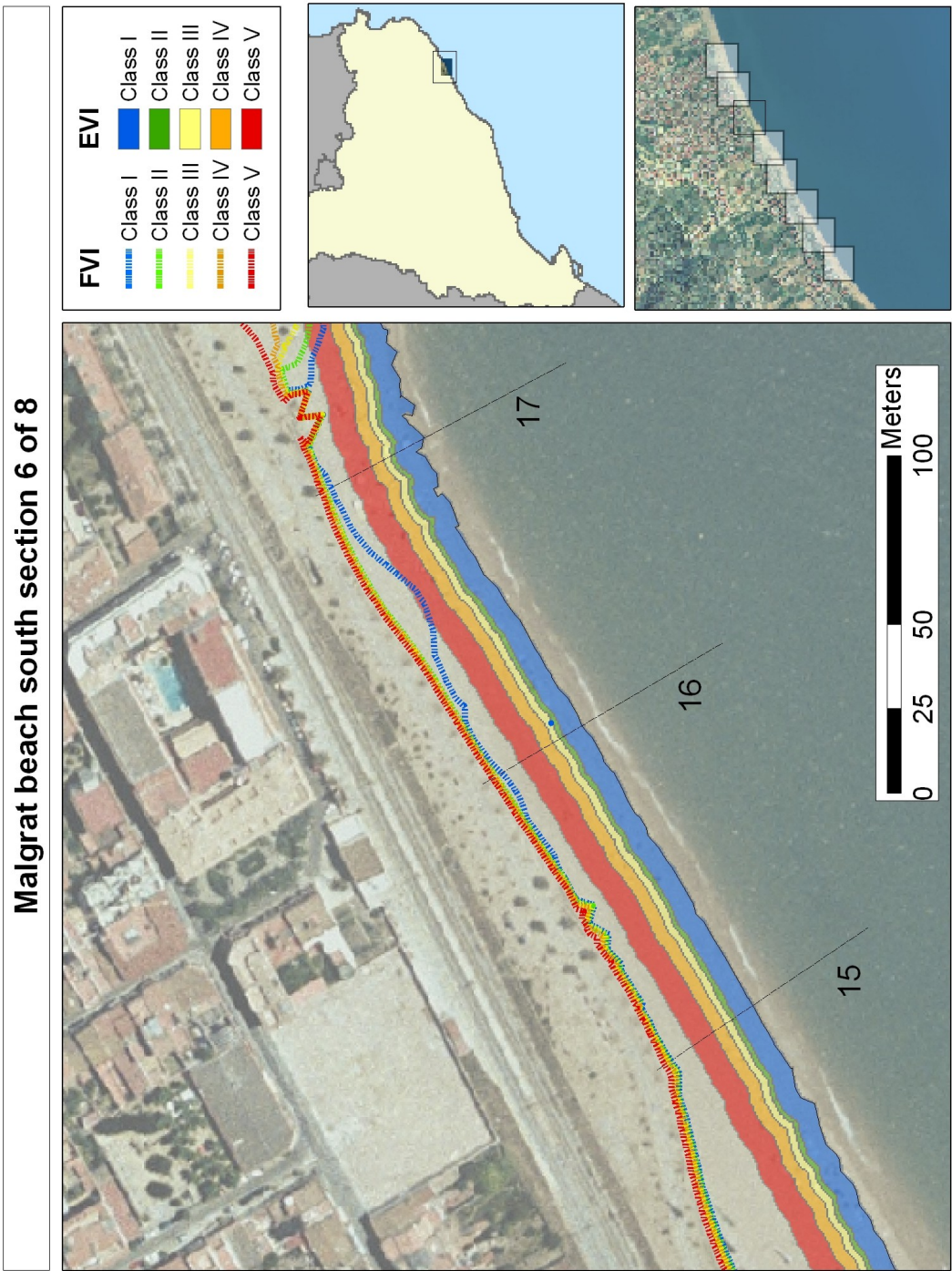


Figure C.6: FVI and EVI assessment for Malgrat del Mar south zone (6 of 8).



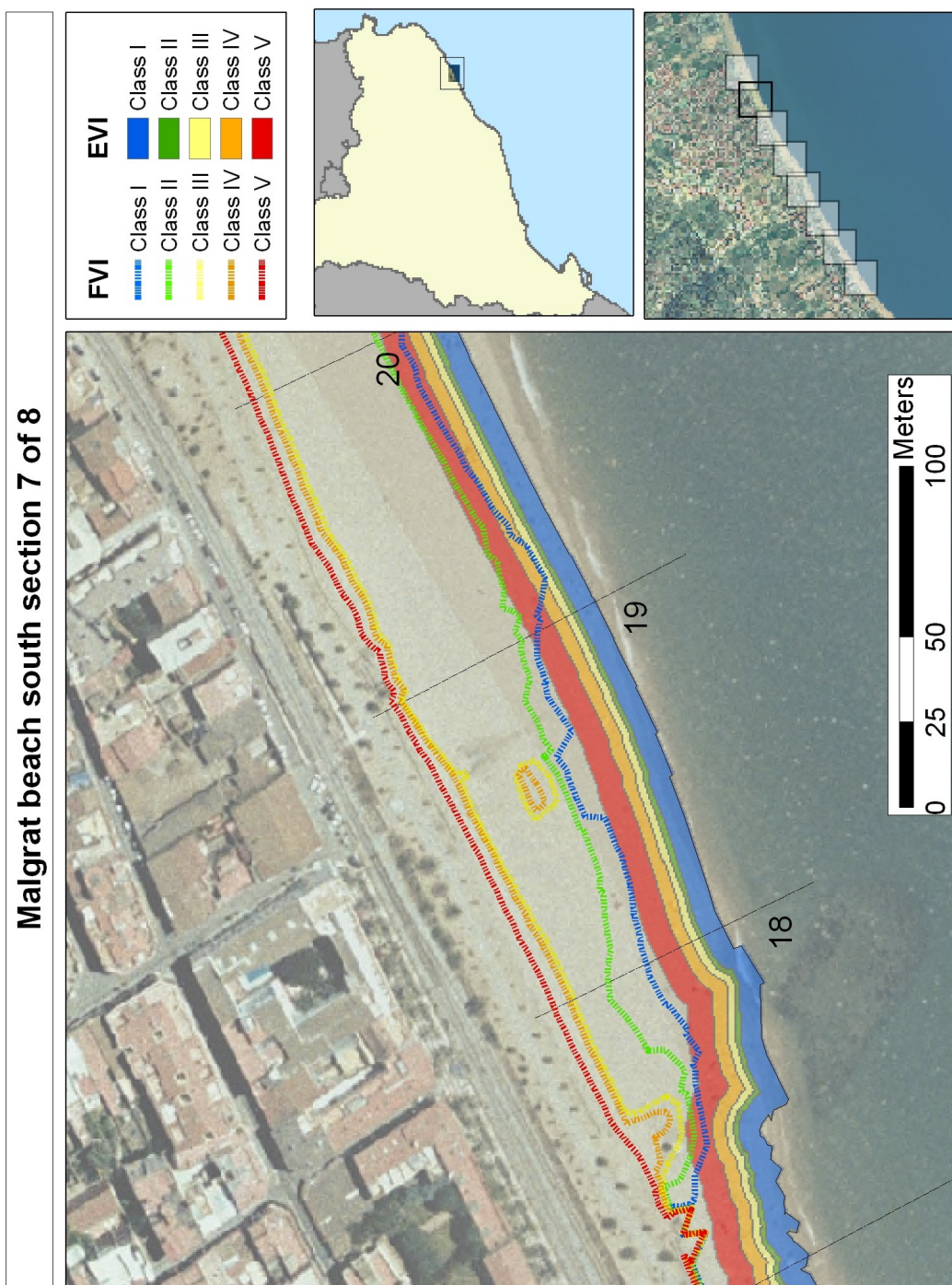


Figure C.7: FVI and EVI assessment for Malgrat del Mar south zone (7 of 8).

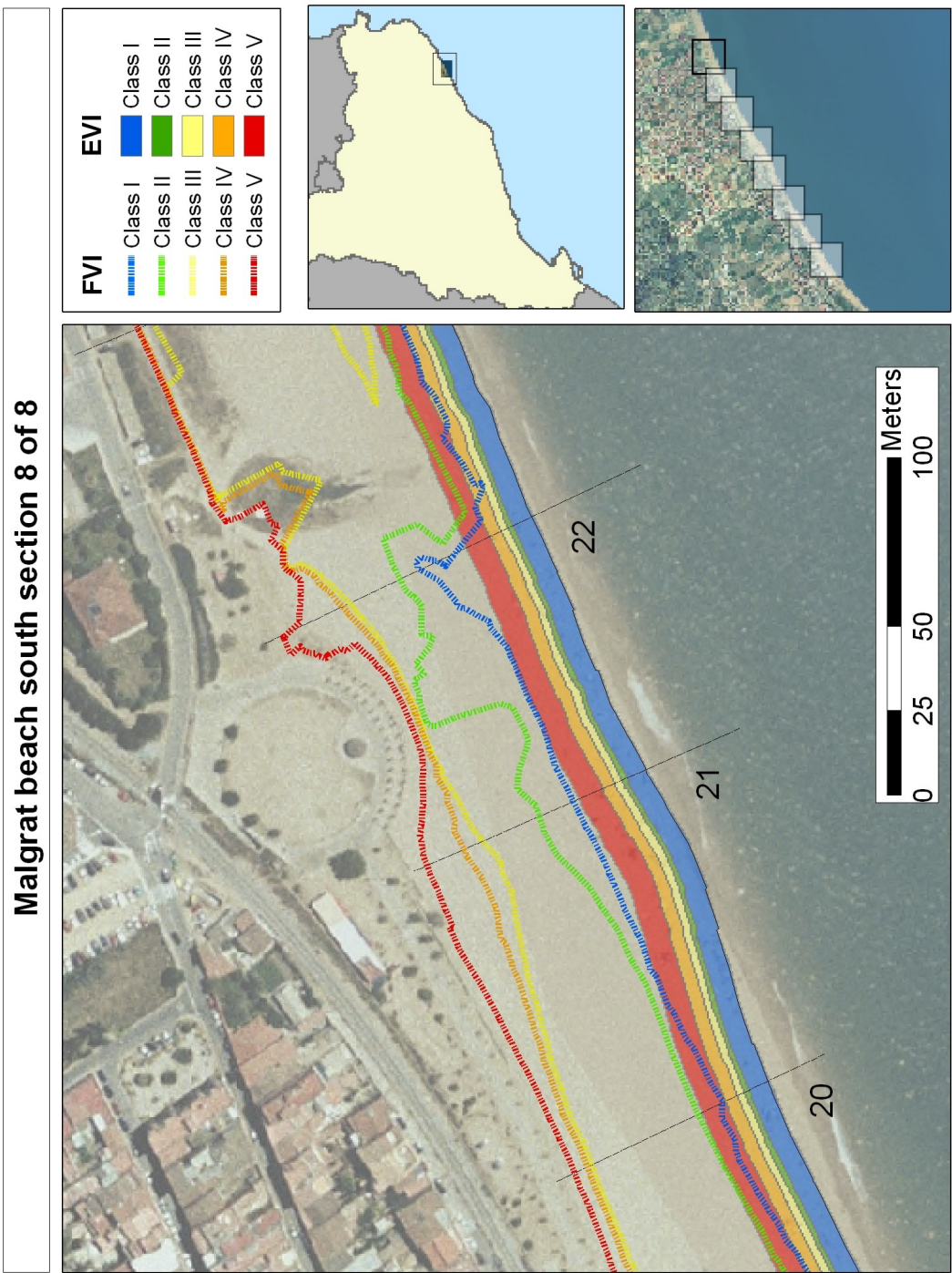


Figure C.8: FVI and EVI assessment for Malgrat del Mar south zone (8 of 8).



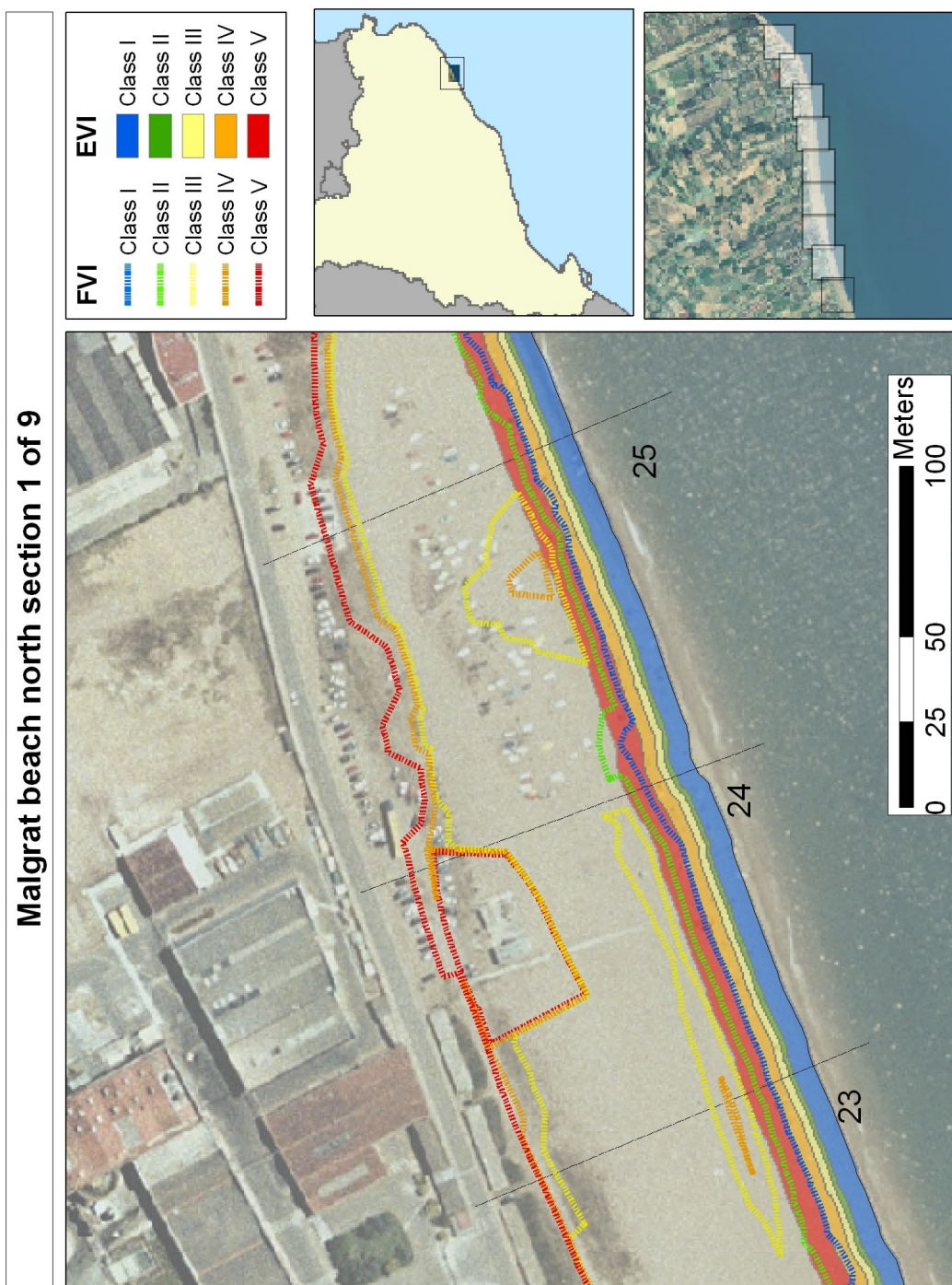


Figure C.9: FVI and EVI assessment for Malgrat del Mar north zone (1 of 9).

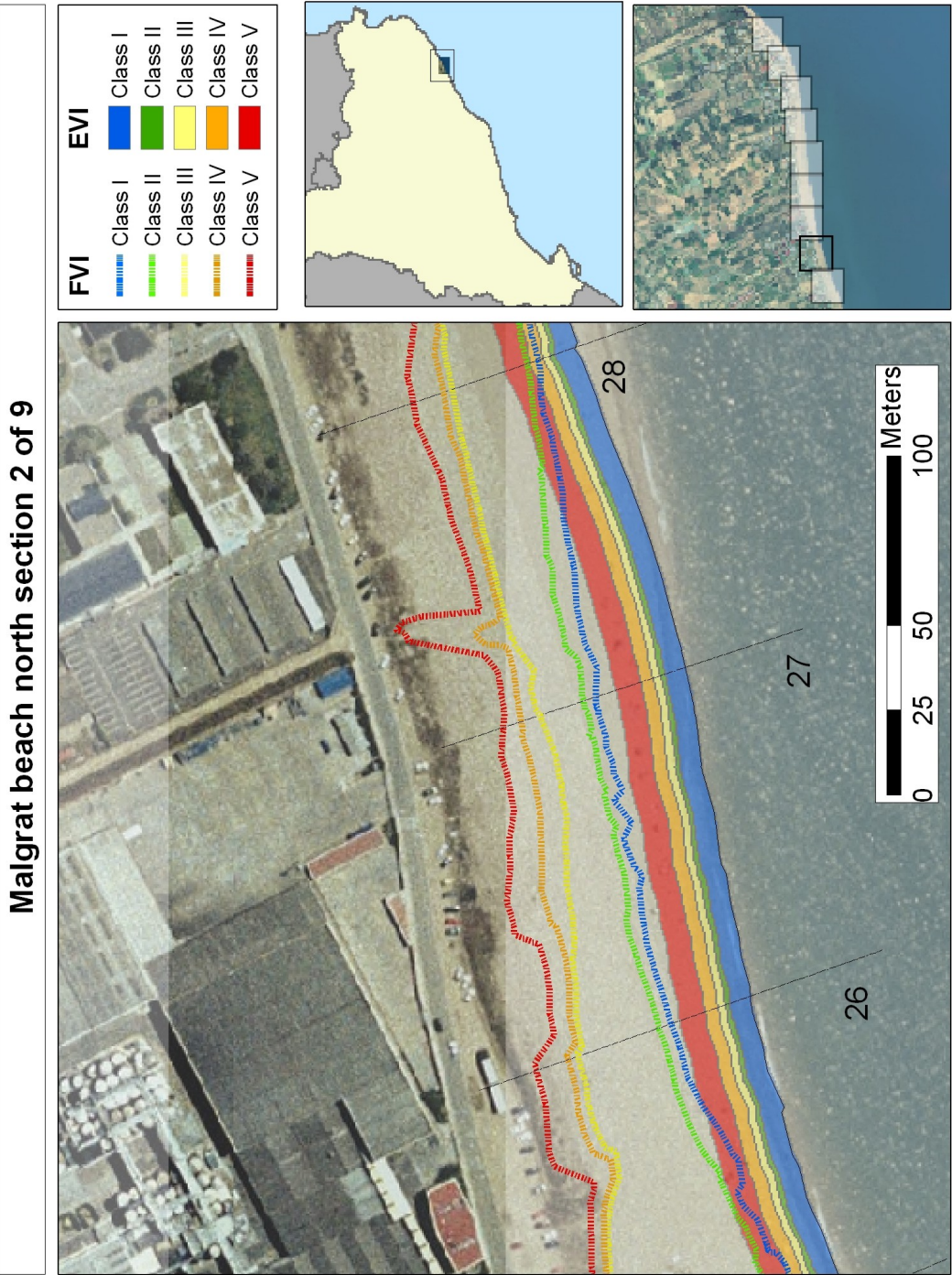


Figure C.10: FVI and EVI assessment for Malgrat del Mar north zone (2 of 9).



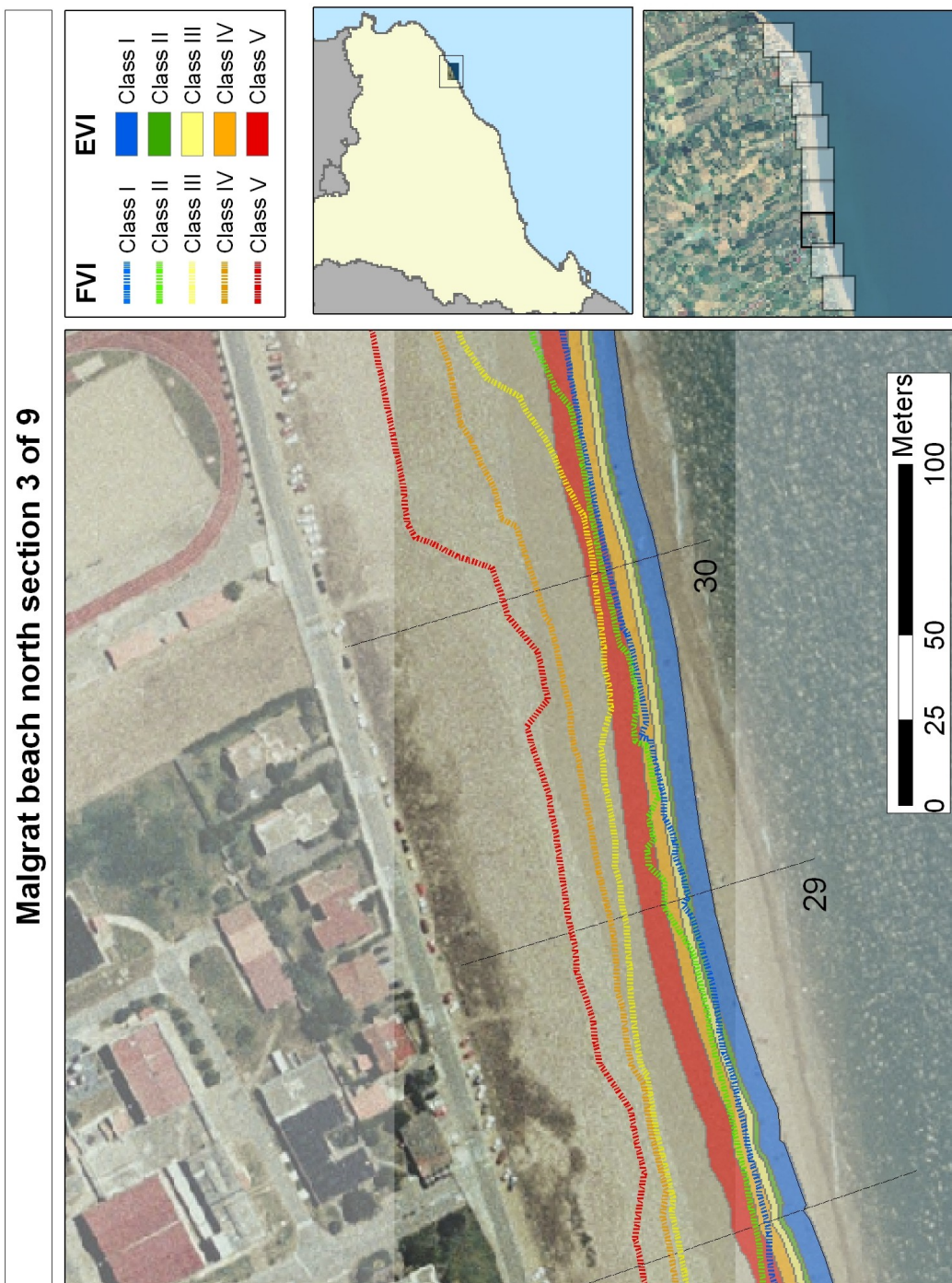


Figure C.11: FVI and EVI assessment for Malgrat del Mar north zone (3 of 9).

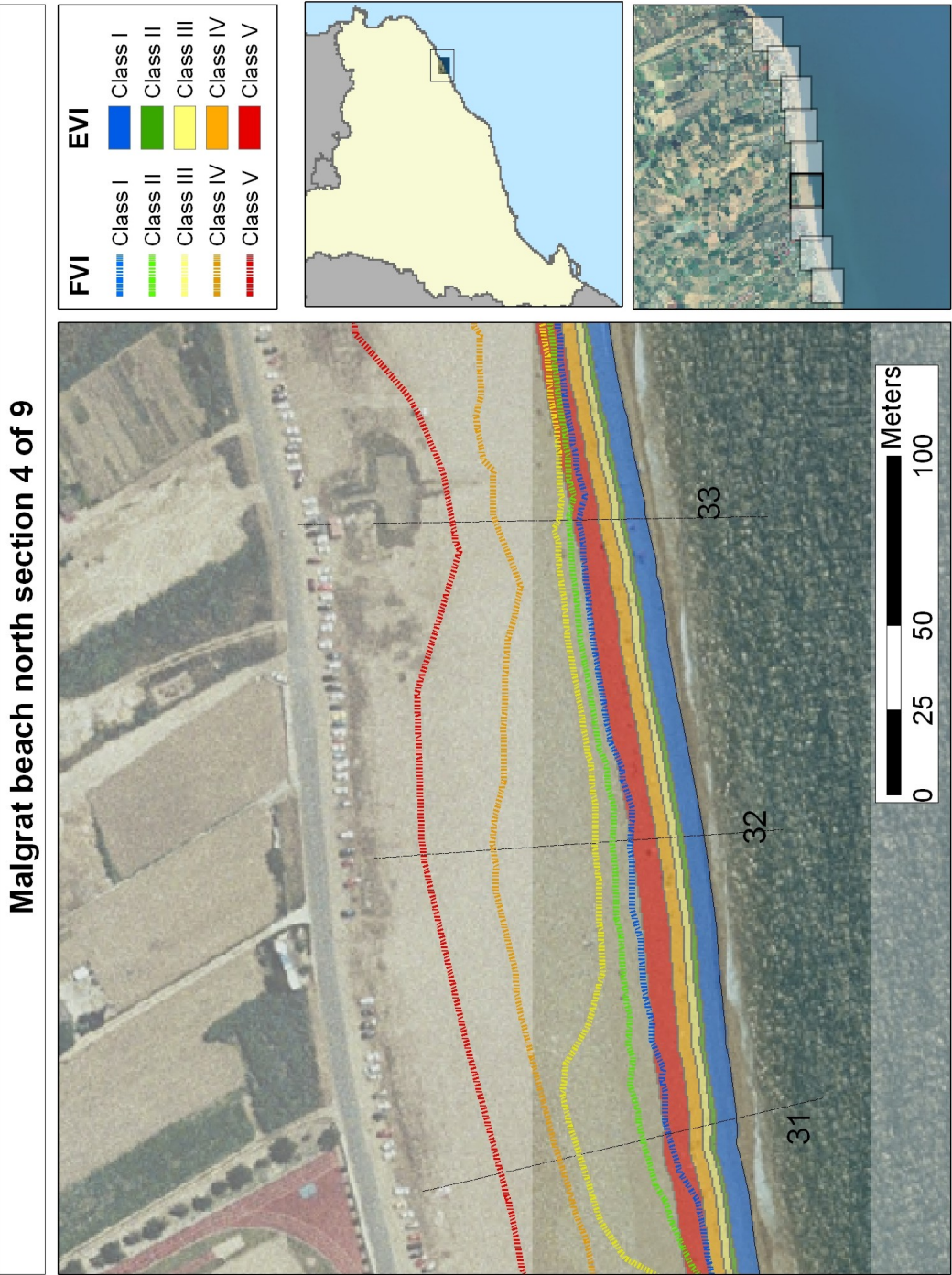


Figure C.12: FVI and EVI assessment for Malgrat del Mar north zone (4 of 9).



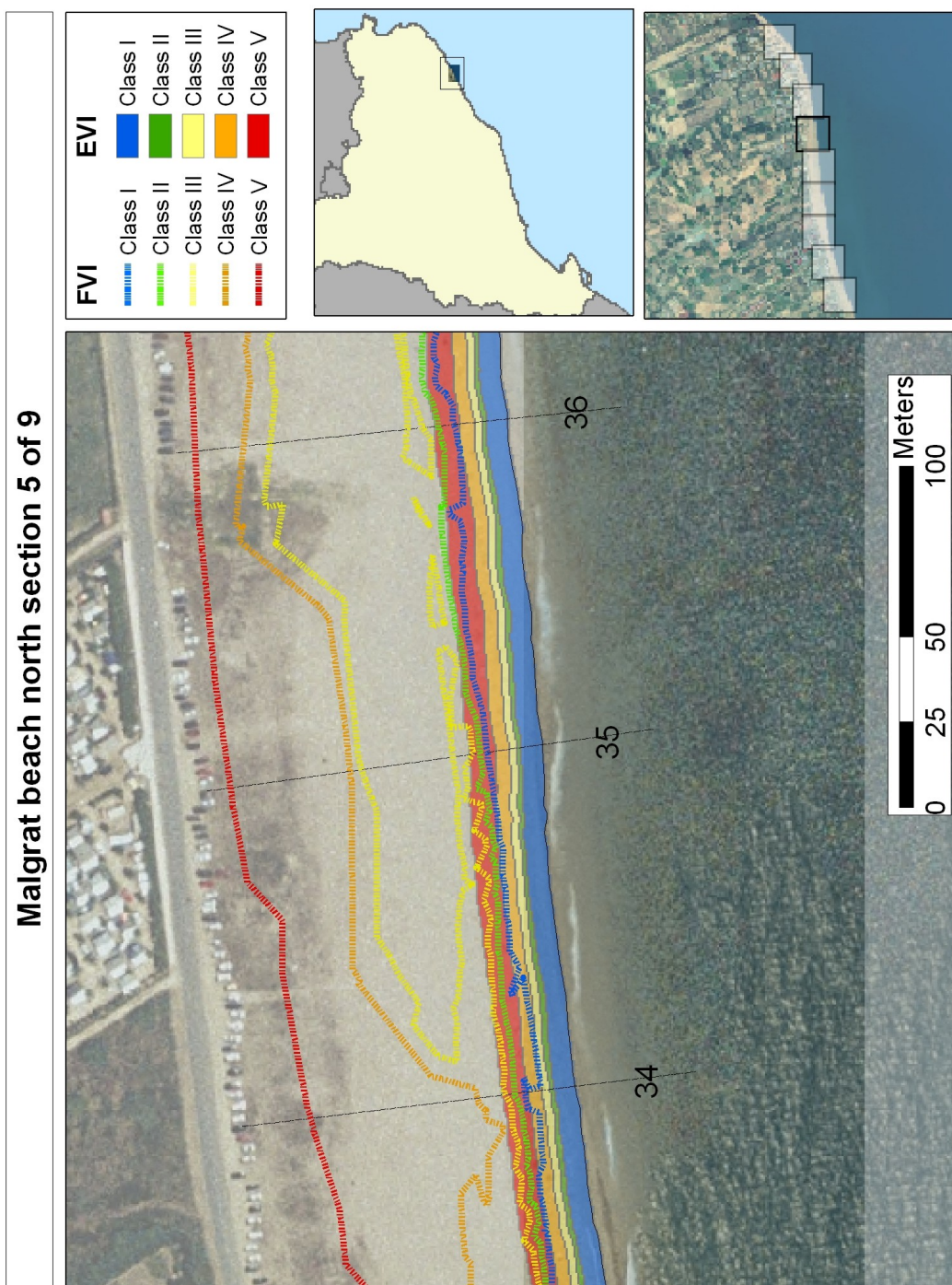


Figure C.13: FVI and EVI assessment for Malgrat del Mar north zone (5 of 9).

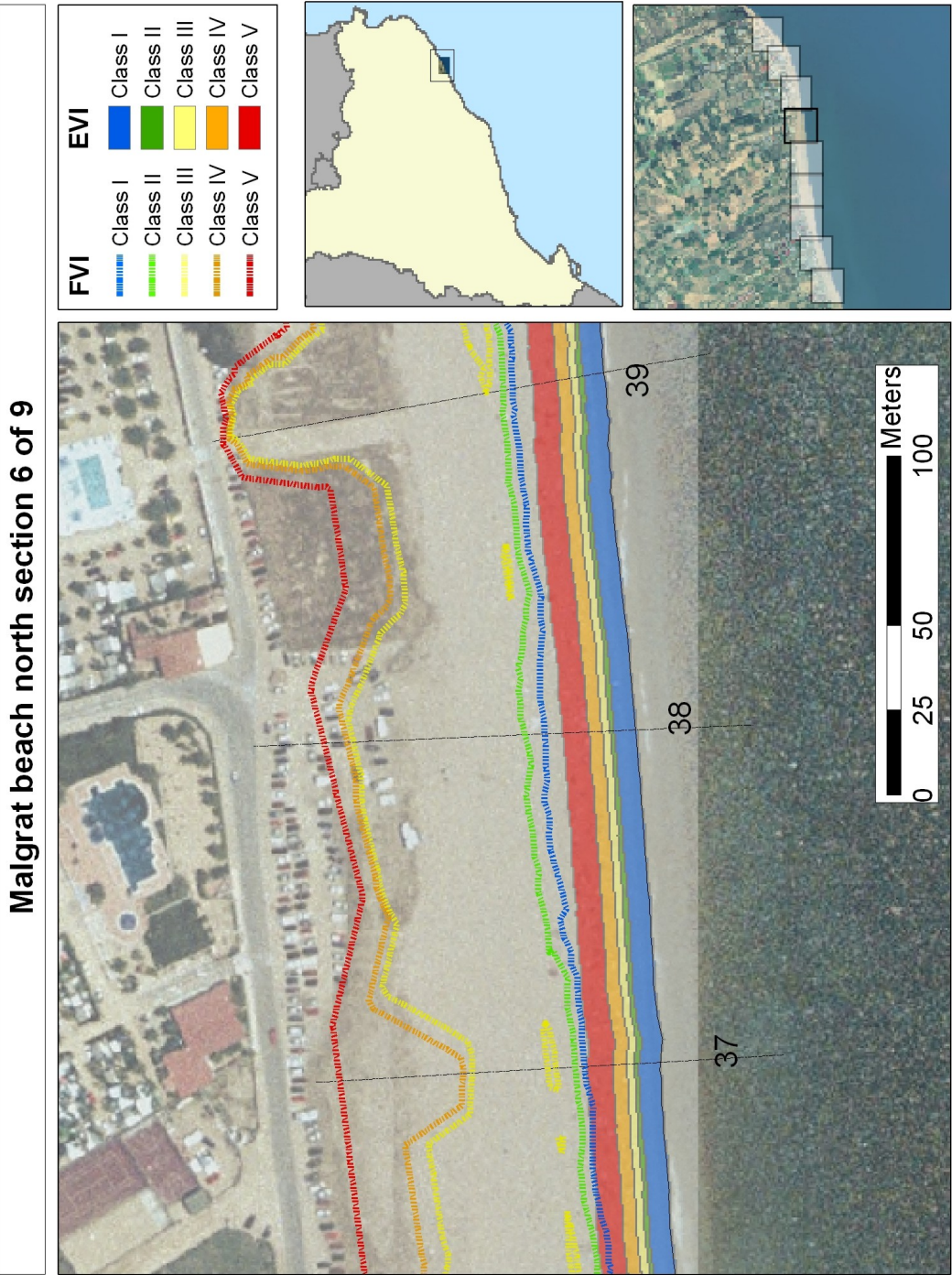


Figure C.14: FVI and EVI assessment for Malgrat del Mar north zone (6 of 9).



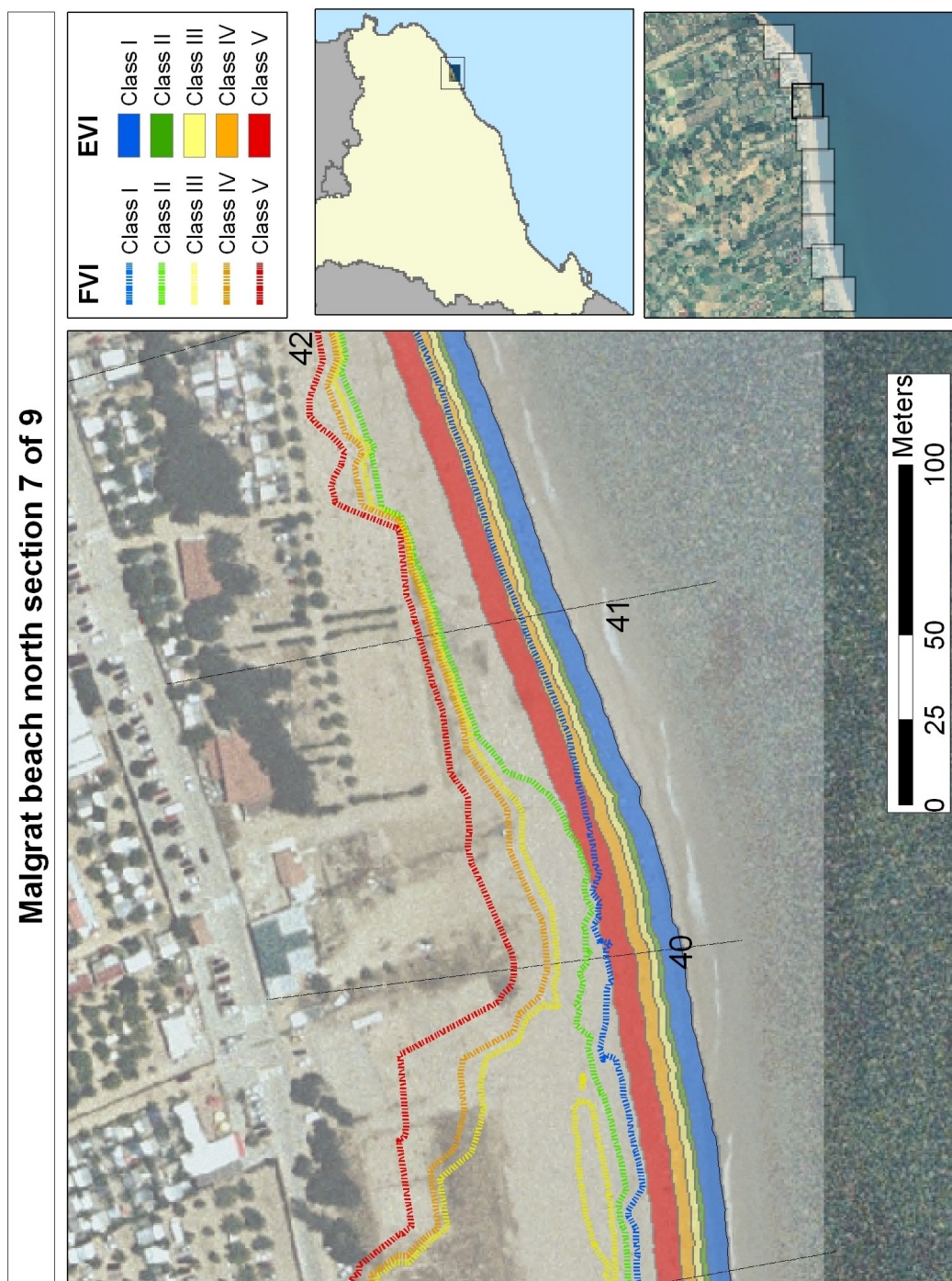


Figure C.15: FVI and EVI assessment for Malgrat del Mar north zone (7 of 9).

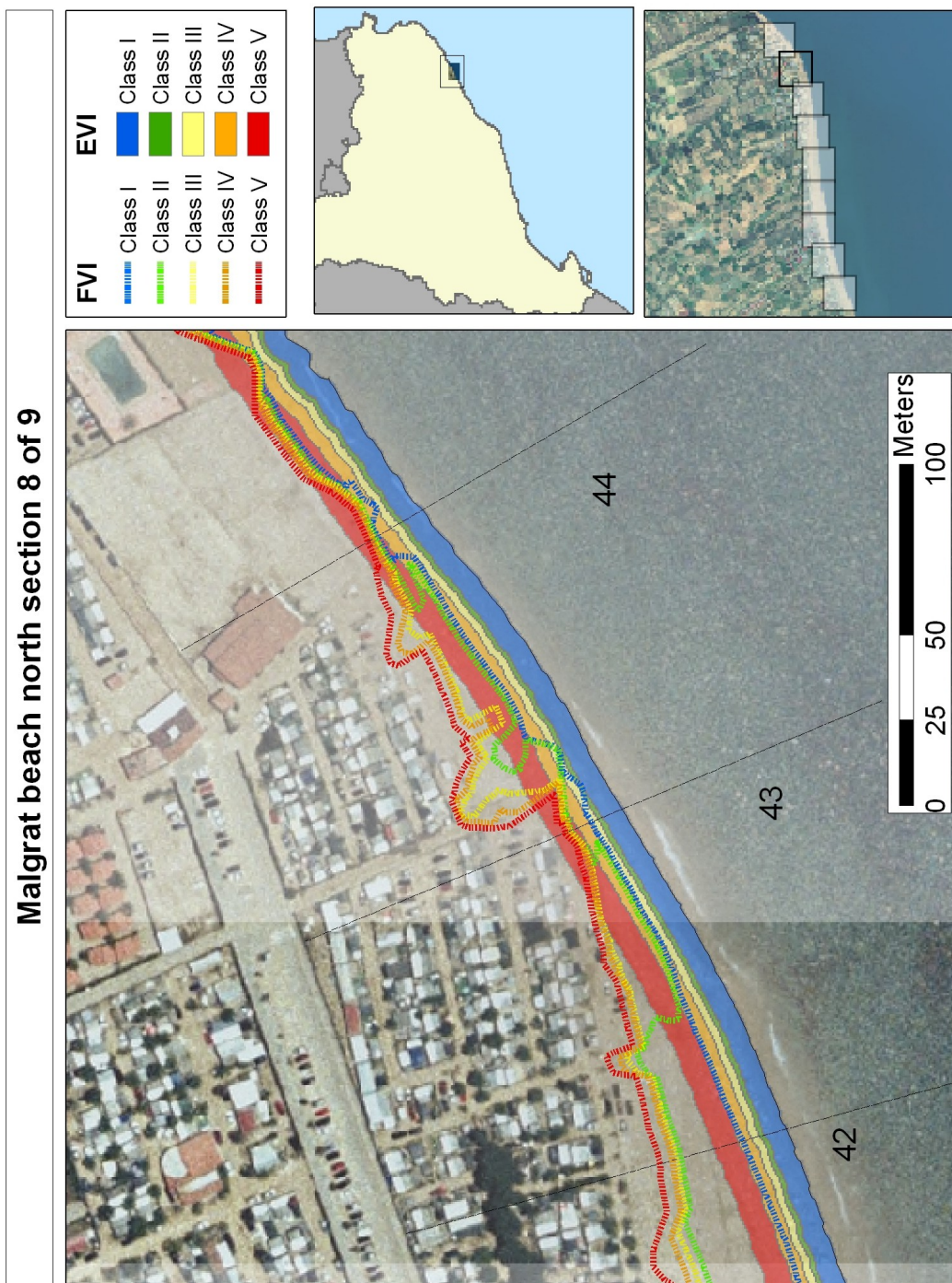


Figure C.16: FVI and EVI assessment for Malgrat del Mar north zone (8 of 9).



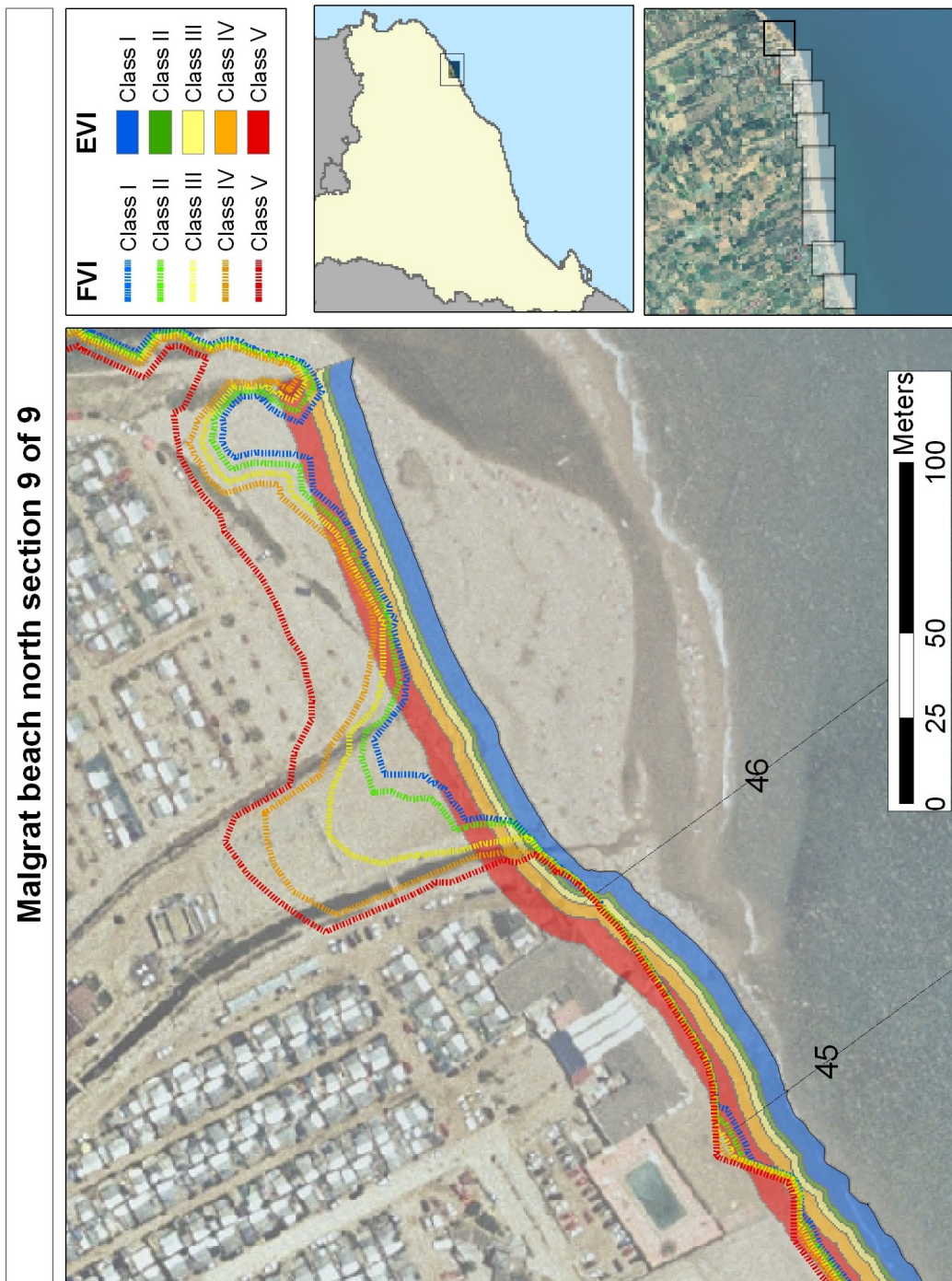


Figure C.17: FVI and EVI assessment for Malgrat del Mar north zone (9 of 9).